

## Single level Circular structure

Probability of shortest path between a X node a Y node : 4.764 Max number of shortest path: 9

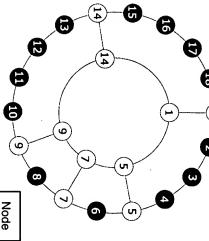
Max.	Avg.	Sum	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	Node No.
9	4.8	81	1	2	3	4	5	6	7	8	9	8	7	6	5	4	3	2	1	Base node :1

## Catogory F Tree type hierarchical structure: File and Folder system

Root

Probability of shortest path between a X node a Y node : 3.294 Max number of shortest path: 4

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Max.	Avg.	Sum	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	Node no.
4		58	4	4	4	4	4	4	4	4	4	4	4	သ	3	ω	2	2	_	_
		57	4	4	4	4	4	4	4	4	4	4	4	သ	3	3	2		1	2
		57	4	4	4	4	4	4	4	4	4	4	4	З	ω	ω	_	_	2	ω
		58	4	4	4	4	4	4	4	4	4	4	4	ω	ω	ω		2	2	4
		56	4	4	4	4	4	4	4	4	ω	ω	ω	2	_	ω	ω	ω	З	5
		55	4	4	4	4	4	4	4	4	ω	ω	ω	_	_	ω	ω	ω	ω	6
		56	4	4	4	4	4	4	4	4	ω	ω	ω	1	2	သ	ω	ω	3	7
		57	4	4	4	4	4	3	3	3	2	1	З	3	3	4	4	4	4	8
		56	4	4	4	4	4	3	3	3	1	1	З	3	3	4	4	4	4	9
		57	4	4	4	4	4	3	3	3	1	2	3	3	သ	4	4	4	4	10
		55	ω	ω	သ	3	3	2	1	ω	3	3	4	4	4	4	4	4	4	11
		54	ω	ω	ω	သ	3		_	ω	ω	ω	4	4	4	4	4	4	4	12
		55	ω	3	3	3	3	1	2	3	3	3	4	4	4	4	4	4	4	13
		56	2	2	2	1	3	3	3	4	4	4	4	4	4	4	4	4	4	14
		55	2	2	1	1	3	3	3	4	4	4	4	4	4	4	4	4	4	15
		თთ	2	1	1	2	3	3	3	4	4	4	4	4	4	4	4	4	4	1
		55	_	_	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	17
		ი თ		2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	8 1
	3.294118	1008																		



## Multi Level Circular Structure

Probability of shortest path between a X node a Y node : 2.908 Max number of shortest path: 6

sum	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	ω	2	Node
36	_	N	ω	2	_	2	ω	4	ω	N	ω	2	2	_	2	2		_
49	2	ы	4	သ	2	သ	4	5	4	သ	4	သ	ω	2	2		_	2
59	ω	4	5	4	з	4	5	6	5	4	4	з	з	2	1		2	ယ
55	з	4	5	4	з	6	5	5	4	ယ	ω	2	2	_		2	2	4
40	2	ω	4	ω	2	ω	4	4	ω	2	2	_	_		2	2	_	5
51	ω	4	5	4	ы	4	5	4	ω	2	2		٠.	2	З	ω	2	6
42	သ	4	4	သ	2	ω	4	ω	2	_	_	_	_	2	з	ω	2	7
50	4	5	4	သ	2	ω	4	ω	2		_	2	2	ω	4	4	ω	<b>∞</b>
39	ω	4	ω	2	_	2	3	2	_	1	1	2	2	ω	4	ω	2	9
51	4	5	4	3	2	ω	2	_	_	2	2	ω	3	4	51	4	ω	10
63	5	6	5	4	3	2	1	_	2	3	3	4	4	5	6	ر ن	4	11
59	4	5	4	3	2	1	1	2	3	4	4	5	4	5	5	4	ω	12
47	3	4	3	2	1	1	2	3	2	3	3	4	3	4	4	3	2	13
35	2	3	2	1	1	2	3	2	1	2	2	ω	2	3	3	2	_	14
47	3	2	1	1	2	3	4	3	2	3	3	4	3	4	4	3	2	15
59	2	1	1	2	3	4	5	4	3	4	4	5	4	5	5	4	3	16
60	1	1	2	3	4	5	6	5	4	5	4	4	3	4	4	3	2	17
48	1	2	3	2	3	4	5	4	3	4	3	3	2	3	3	2	_	18

2.908497	3.294118	4.764706	Average
6	4	9	Max
Multilevel Circular	Tree hierarchical structure Multilevel Circular	Single level circular	

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